

Colorimetric "Adapted data (b)": Television Luminous System TLS00b for CIE lightness L*₀₀ of black and for illuminant D65

System TLS00b

Color i	r _{ad}	g _{ad}	b _{ad}	L ₀₀	a ₀₀	b ₀₀	C _{ab,abd}	h _{abd}	X _{abd}	Y _{abd}	Z _{abd}	x _{abd}	y _{abd}	Y _{abd} /88.59
01.0	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3201	0.0
02.1	0.067	0.067	0.067	6.36	0.0	0.0	0.01	0.0	0.67(=0.67+0.0)	0.7(=0.7+0.0)	0.77(=0.77+0.0)	0.3127	0.329	0.0079
02.2	0.133	0.133	0.133	12.72	0.0	0.0	0.01	0.0	1.34(=1.34+0.0)	1.53(=1.53+0.0)	1.65(=1.65+0.0)	0.3127	0.329	0.0171
04.3	0.2	0.2	0.2	19.08	0.0	0.0	0.01	0.0	2.63(=2.63+0.0)	2.77(=2.77+0.0)	3.01(=3.01+0.0)	0.3127	0.329	0.0312
05.4	0.267	0.267	0.267	25.44	0.0	0.0	0.01	0.0	4.33(=4.33+0.0)	4.56(=4.56+0.0)	4.96(=4.96+0.0)	0.3127	0.329	0.0515
06.5	0.333	0.333	0.333	31.8	0.0	0.0	0.01	0.0	6.65(=6.65+0.0)	7.0(=7.0+0.0)	7.62(=7.62+0.0)	0.3127	0.329	0.079
07.6	0.4	0.4	0.4	38.16	0.0	0.0	0.01	0.0	9.67(=9.67+0.0)	10.18(=10.18+0.0)	11.08(=11.08+0.0)	0.3127	0.329	0.1149
08.7	0.467	0.467	0.467	44.52	0.0	0.0	0.01	0.0	13.5(=13.5+0.0)	14.2(=14.2+0.0)	15.46(=15.46+0.0)	0.3127	0.329	0.1603
09.8	0.533	0.533	0.533	50.89	0.0	0.0	0.01	0.0	18.22(=18.22+0.0)	19.17(=19.17+0.0)	20.88(=20.88+0.0)	0.3127	0.329	0.2164
10.9	0.6	0.6	0.6	57.24	0.0	0.0	0.01	0.0	23.32(=23.32+0.0)	25.18(=25.18+0.0)	27.42(=27.42+0.0)	0.3127	0.329	0.2842
11.A	0.667	0.667	0.667	63.61	0.0	0.0	0.01	0.0	30.77(=30.77+0.0)	32.32(=32.32+0.0)	35.19(=35.19+0.0)	0.3127	0.329	0.3649
12.B	0.733	0.733	0.733	69.97	0.0	0.0	0.01	0.0	38.69(=38.69+0.0)	40.71(=40.71+0.0)	44.32(=44.32+0.0)	0.3127	0.329	0.4595
13.C	0.8	0.8	0.8	76.33	0.0	0.0	0.01	0.0	47.92(=47.92+0.0)	50.43(=50.43+0.0)	54.9(=54.9+0.0)	0.3127	0.329	0.5692
14.D	0.867	0.867	0.867	82.69	0.0	0.0	0.01	0.0	58.53(=58.53+0.0)	61.58(=61.58+0.0)	67.05(=67.05+0.0)	0.3127	0.329	0.6951
15.E	0.933	0.933	0.933	89.05	0.0	0.0	0.01	0.0	70.59(=70.59+0.0)	74.27(=74.27+0.0)	80.87(=80.86+0.0)	0.3127	0.329	0.8383
16.F	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0.0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0
17.N	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
18.W	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0.0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0

Calculated colorimetric data (b): Television Luminous Systems TLS18b for CIE lightness L*₁₈ of black and for illuminant D65

D65 reflection:

Y_N = 0.52

L*_N = 18.01

Color i	r _{ad}	g _{ad}	b _{ad}	L ₁₈	a ₁₈	b ₁₈	C _{ab,abd}	h _{abd}	X _{abd}	Y _{abd}	Z _{abd}	x _{abd}	y _{abd}	Y _{abd} /88.59
01.0	0.0	0.0	0.0	18.01	0.0	0.0	0.0	0.0	2.4(=0.0+2.4)	2.52(=0.0+2.52)	2.74(=0.0+2.74)	0.3127	0.329	0.0285
02.1	0.067	0.067	0.067	20.87	0.0	0.0	0.0	0.0	3.05(=0.65+2.4)	3.2(=0.68+2.52)	3.49(=0.74+2.74)	0.3127	0.329	0.0362
02.2	0.133	0.133	0.133	23.65	0.0	0.0	0.0	0.0	3.8(=1.4+2.4)	3.99(=1.47+2.52)	4.35(=1.61+2.74)	0.3127	0.329	0.0451
04.3	0.2	0.2	0.2	27.32	0.0	0.0	0.0	0.0	4.95(=2.55+2.4)	5.21(=2.69+2.52)	5.67(=2.93+2.74)	0.3127	0.329	0.0588
05.4	0.267	0.267	0.267	31.69	0.0	0.0	0.0	3	6.6(=4.21+2.4)	6.95(=4.43+2.52)	7.57(=4.82+2.74)	0.3127	0.329	0.0784
06.5	0.333	0.333	0.333	36.59	0.0	0.0	0.0	0.0	8.86(=6.46+2.4)	9.32(=6.8+2.52)	10.15(=7.4+2.74)	0.3127	0.329	0.1052
07.6	0.4	0.4	0.4	41.86	0.0	0.0	0.0	0.0	11.79(=9.4+2.4)	12.41(=9.89+2.52)	13.51(=10.77+2.74)	0.3127	0.329	0.1401
08.7	0.467	0.467	0.467	47.39	0.0	0.0	353	15.51(=13.11+2.4)	16.32(=13.8+2.52)	17.77(=15.02+2.74)	0.3127	0.329	0.1842	
09.8	0.533	0.533	0.533	53.11	0.0	0.0	0.0	0.0	20.1(=17.7+2.4)	21.15(=18.63+2.52)	23.03(=20.28+2.74)	0.3127	0.329	0.2387
10.9	0.6	0.6	0.6	58.96	0.0	0.0	0.0	0.0	25.66(=23.25+2.4)	26.98(=24.46+2.52)	29.38(=26.64+2.74)	0.3127	0.329	0.3046
11.A	0.667	0.667	0.667	64.9	0.0	0.0	0.0	0.0	32.24(=29.85+2.4)	33.92(=31.4+2.52)	36.94(=34.19+2.74)	0.3127	0.329	0.3829
12.B	0.733	0.733	0.733	70.92	0.0	0.0	0.0	0.0	39.98(=37.59+2.4)	42.07(=39.55+2.52)	45.8(=43.06+2.74)	0.3127	0.329	0.4749
13.C	0.8	0.8	0.8	76.99	0.0	0.0	0.0	0.0	48.96(=46.56+2.4)	51.51(=48.99+2.52)	56.09(=53.34+2.74)	0.3127	0.329	0.5814
14.D	0.867	0.867	0.867	83.1	0.0	0.0	0.0	0.0	59.26(=56.86+2.4)	62.35(=59.83+2.52)	67.89(=65.14+2.74)	0.3127	0.329	0.7038
15.E	0.933	0.933	0.933	89.24	0.0	0.0	0.0	0.0	70.97(=68.58+2.4)	74.68(=72.16+2.52)	81.31(=78.57+2.74)	0.3127	0.329	0.8429
16.F	1.0	1.0	1.0	95.41	0.0	0.0	0.0	0.0	84.4(=81.8+2.4)	88.59(=86.07+2.52)	96.46(=93.72+2.74)	0.3127	0.329	1.0
17.N	0.0	0.0	0.0	18.01	0.0	0.0	0.0	0.0	2.4(=0.0+2.4)	2.52(=0.0+2.52)	2.74(=0.0+2.74)	0.3127	0.329	0.0285
18.W	1.0	1.0	1.0	95.41	0.0	0.0	0.0	0.0	84.2(=81.8+2.4)	88.59(=86.07+2.52)	96.46(=93.72+2.74)	0.3127	0.329	1.0

Calculated colorimetric data (b): Television Luminous Systems TLS70b for CIE lightness L*₇₀ of black and for illuminant D65

D65 reflection:

Y_N = 40.32

L*_N = 69.7

Color i	r _{ad}	g _{ad}	b _{ad}	L ₇₀	a ₇₀	b ₇₀	C _{ab,abd}	h _{abd}	X _{abd}	Y _{abd}	Z _{abd}	x _{abd}	y _{abd}	Y _{abd} /88.59
01.0	0.0	0.0	0.0	69.7	0.0	0.0	0.0	0.0	38.32(=0.0+38.32)	39.32(=0.0+39.32)	43.9(=0.0+43.9)	0.3127	0.329	0.4557
02.1	0.067	0.067	0.067	69.97	0.0	0.0	0.0	0.0	38.68(=0.36+38.32)	40.7(=0.38+39.32)	43.32(=0.42+43.9)	0.3127	0.329	0.4594
02.2	0.133	0.133	0.133	70.28	0.0	0.0	0.0	0.0	39.11(=0.79+38.32)	41.15(=0.83+40.32)	44.8(=0.93+43.9)	0.3127	0.329	0.4644
04.3	0.2	0.2	0.2	70.75	0.0	0.0	0.0	0.0	39.75(=1.43+38.32)	41.83(=1.51+40.32)	45.54(=1.64+43.9)	0.3127	0.329	0.4721
05.4	0.267	0.267	0.267	71.42	0.0	0.0	0.0	0.0	40.68(=2.36+38.32)	42.8(=2.48+40.32)	46.61(=2.7+43.9)	0.3127	0.329	0.4832
06.5	0.333	0.333	0.333	72.32	0.0	0.0	0.0	0.0	41.94(=3.62+38.32)	44.13(=3.81+40.32)	48.05(=4.15+43.9)	0.3127	0.329	0.4981
07.6	0.4	0.4	0.4	73.46	0.0	0.0	0.0	0.0	43.59(=5.27+38.32)	45.87(=5.55+40.32)	49.94(=6.04+43.9)	0.3127	0.329	0.5177
08.7	0.467	0.467	0.467	74.65	0.0	0.0	0.0	0.0	45.67(=7.3+38.32)	48.06(=7.74+40.32)	52.33(=8.43+43.9)	0.3127	0.329	0.5425
09.8	0.533	0.533	0.533	76.54	0.0	0.0	0.0	0.0	48.25(=9.93+38.32)	50.77(=10.45+40.32)	55.28(=11.38+43.9)	0.3127	0.329	0.573
10.9	0.6	0.6	0.6	78.49	0.0	0.0	0.0	0.0	51.36(=13.04+38.32)	54.04(=13.72+40.32)	58.84(=14.94+43.9)	0.3127	0.329	0.61
11.A	0.667	0.667	0.667	80.7	0.0	0.0	0.0	0.0	55.06(=16.74+38.32)	57.93(=17.61+40.32)	63.08(=19.18+43.9)	0.3127	0.329	0.6539
12.B	0.733	0.733	0.733	83.18	0.0	0.0	0.0	0.0	59.4(=21.08+38.32)	62.5(=22.18+40.32)	68.05(=24.15+43.9)	0.3127	0.329	0.7055
13.C	0.8	0.8	0.8	85.9	0.0	0.0	0.0	0.0	64.43(=26.11+38.32)	67.8(=27.48+40.32)	73.82(=29.92+43.9)	0.3127	0.329	0.7653
14.D	0.867	0.867	0.867	88.86	0.0	0.0	0.0	0.0	70.21(=31.89+38.32)	73.87(=33.55+40.32)	80.43(=36.53+43.9)	0.3127	0.329	0.8339
15.E	0.933	0.933	0.933	92.04	0.0	0.0	0.0	0.0	78.78(=38.46+38.32)	80.79(=40.47+40.32)	87.96(=44.06+43.9)	0.3127	0.329	0.9119
16.F	1.0	1.0	1.0	95.41	0.0	0.0	0.0	0.0	84.78(=45.88+38.32)	88.59(=48.27+40.32)	96.46(=52.56+43.9)	0.3127	0.329	1.0
17.N	0.0	0.0	0.0	69.7	0.0	0.0	0.0	0.0	38.32(=0.0+38.32)	40.32(=0.0+40.32)	43.9(=0.0+43.9)	0.3127	0.329	0.4551
18.W	1.0	1.0	1.0	95.41	0.0	0.0	0.0	0.0	84.2(=45.88+38.32)	88.59(=48.27+40.32)	96.46(=52.56+43.9)	0.3127	0.329	1.0